



STATE OF HAWAII
DEPARTMENT OF HEALTH
P.O. Box 3378
Honolulu, HI 96801-3378

In reply, please refer to:
File:

STATE TRAUMATIC BRAIN INJURY ADVISORY BOARD (STBIAB)
MEETING MINUTES
DATE: January 21, 2016

Present: Albert Burian, Rita Manriquez, Lila Ota, William Rodrigues, Cora Speck, Stephanie Yee

Excused: Dr. Robert Sloan, Mary Wilson, Kawena Young, Elzy Kaina

Others: Lyna Burian; Brain Injury Association of Hawaii, Violet Horvath; Director Pacific Disabilities Center (PDC), Mary Mitsunaga; Queen's Medical Center (QMC), Ross Oshiro; Queen's Center for Sports Medicine

DOH Staff: Wendie Lino, Curtis Inouye

- I. **Call to Order** – Meeting was called to order by Acting Chair William Rodrigues. Quorum present.
- II. **Approval of Minutes from the September 18, 2015 meeting** – Board Member Cora Speck made a motion to accept the Minutes as written. Board Member Stephanie Yee seconded the motion. All Board Members present voted in favor of minutes being accepted as written. No questions.
- III. **Review of Agenda** – Board Member Cora Speck made a motion to accept the agenda as written. Board Member Stephanie Yee seconded that motion. All Board Members present voted in favor of accepting the agenda as written. No questions.
- IV. **New Business**
 - A. State Traumatic Brain Injury Advisory Board Annual Goals:
Board Member Albert Burian recommended that as a goal, the Advisory Board will support having more television Public Service Announcements (PSAs) addressing the issues of traumatic brain injury. Board Member Rita Manriquez mentioned that there has been two PSAs developed by HNTR to promote

education and awareness on TBI, but any additional PSAs on TBI would be beneficial in educating the general public on TBI. Board Member Cora Speck mentioned that Nicholas Hines from the Emergency Medical Services and Injury Prevention System Branch is currently working on a Centers for Disease Control (CDC) grant which will include addressing TBI from motor vehicle crashes as part of the grant. DOH staff will contact Mr. Hines to see how Neurotrauma Supports can assist in any way to address this issue.

Board Members also discussed revisiting the development of a TBI brochure. A draft brochure was developed but due to procedural requirements, the brochure was put on hold. Board Members recommend that a revised draft of the TBI brochure with input and feedback from Board Members along with meeting DOH standards be revisited as a goal. Board Member Cora Speck also mentioned that we should look at a broader picture of how Neurotrauma Supports and the DOH can support individuals with TBI address their concerns with employment and developing social skills to reintegrate into the community. HNTR has currently submitted a proposed project (Critical Skills for Transitioned-Aged Youth with Mild Traumatic Brain Injury) to focus on technology and social skills which seems to be the key skills that are needed in the workplace. Neurotrauma Supports staff will work closely with HNTR on this proposed project.

B. Brain Injury Awareness Month:

Board Member Cora Speck mentioned that Queen's Medical Center (QMC), through a grant, will provide 30 moped and motorcycle helmets to individuals who attend and present their story through a panel discussion on their experiences before, during, and after their crash, whether or not they were wearing a helmet. This panel discussion is not meant to promote or advocate the wearing of a helmet but as a human interest story and to share their experiences with the general public. QMC will offer helmets to the participants and the attendees if they choose to accept it. Attendees must show their motorcycle license to be eligible for a helmet.

HNTR will continue with their television PSAs, with the first PSA nearing completion. There will be at least two more and possibly three more television PSAs filmed. HNTR is currently transforming their existing presentations on traumatic brain injury into webinars that would be available online at any time. HNTR will also continue with their bus placard project to promote HNTR and awareness on neurotrauma injuries.

V. Old Business

- A. Hawaii Concussion Awareness and Management Program (HCAMP) Update:**
Ross Oshiro provided an update on the HCAMP concussion report from August 2015 through December 2015. Ross reported that from the 67 participating schools, a total of 5948 baselines were completed with 654 reported concussions. The Oahu Interscholastic Association (OIA) with a total of 23 schools reported completing 2766 baselines this period with 369 reported concussions. The Interscholastic League of Honolulu (ILH) completed 1419

baselines with 135 reported concussions. The Big Island Interscholastic Federation (BIIF) completed 1064 baselines and reported 58 concussions, the Kauai Interscholastic Federation (KIF) completed 225 baselines and reported 33 concussions, and the Maui Interscholastic League (MIL) completed 474 baselines and reported 59 concussions. Ross also reported that HCAMP completed three concussion education events during this period. In November, 2015, HCAMP completed a concussion education event at Waipahu High School for the Oahu Soccer League Referees, in January, 2016, HCAMP completed a concussion education event at the Japanese Chamber of Commerce for the Oahu Soccer League Coaches (athletes 12-18 years old), and also in January, 2016, HCAMP provided a concussion awareness event for Play Sports Hawaii Football Coaches who just started a contact football league. In response to Board Member William Rodrigues' question regarding Charter Schools, Ross mentioned that no Charter Schools are currently receiving sports related concussion education at this time. Per Ross, anyone wanting HCAMP to conduct a concussion education presentation can contact him at: info@hawaiiconcussion.com to set up a presentation. For additional information, refer to the HCAMP report which is attached to the Minutes.

- B. Pacific Disabilities Center (PDC) – Hawaii Neurotrauma Registry (HNTR) Update. Violet Horvath from PDC provided an update on the HNTR. There are 128 unique participants in the Registry as of December 31, 2015. Regarding community outreach, Violet reported that HNTR attended two public events and gave two presentations in September, 2015. October 2015 was a busy month with HNTR participating in five public events and four presentations. Typically, November and December are slow months but HNTR did participate in two public events and completed two presentations in November, 2015 and did one presentation in December, 2015. Since March, 2013, HNTR has reached nearly 13,000 members of the public via tables at events and nearly 1,000 professionals and community members through presentations. Violet also reported on HNTR's proposed future projects. There's a Critical Skills for Transition-Aged Youth with Mild traumatic Brain Injury which will focus on technology and social skills which seems to be the key skills that are needed in the workplace. HNTR is also proposing to develop a story book and coloring book on the "TB Kid" or the "Brain Information Kid" which could become a series and a third project would be to develop a Neurotrauma Video Series about "local" individuals who sustained a neurotrauma injury, telling their stories about what life was like before their neurotrauma injury and what life is like post injury. HNTR is continuing their Social Media Campaign on education and awareness on neurotrauma injuries. Dr. David Cifu's lecture on TBI has aired several times on `Olelo along with the HNTR programs on stroke and brain injury. Dr. Cifu's lecture along with the HNTR programs are now available on HNTR's YouTube channel. Board Member Albert Burian posed a question to Violet regarding how many individuals viewed the HNTR programs and Dr. Cifu's lecture on `Olelo. Per Violet, unfortunately `Olelo does not track that information, but what is viewed on HNTR's YouTube channel, Facebook and Twitter can be tracked. Violet also mentioned that HNTR is working on television PSAs with the

first television PSA nearing completion. At least two more and possibly three more television PSAs will be filmed. Violet also mentioned that progress is being made regarding transforming HNTR's existing presentations on neurotrauma injuries into webinars and would be available online soon. Refer to the HNTR report which is attached to these Minutes for more information.

- C. Neighbor Island Activities – Kauai: Board Member Rita Manriquez reported that Aloha Independent Living Hawaii-Kauai County has formed an affiliation with the Kauai County Elderly Affairs Office. Rita continues to support Kauai's Independent Living Specialist and will provide her with HNTR's information.
- D. DOH Update – DOH staff reported that no applicant has been hired for the neurotrauma position. The interviews for the neurotrauma position is ongoing. The Annual STBIAB meeting has been rescheduled for a later date in 2016 due to procedural and approval process. Board Members recommended that the STBIAB Annual meeting be discussed in more detail during a future STBIAB meeting.

VI. Announcements

A. Brain Injury Association of Hawaii

1) *Support Group and Educational Meetings*

- a. First Saturdays, 1-3 p.m., Rehabilitation Hospital of the Pacific, Wo Conference Room #4. December 5, 2015 presentation by Mari Nakamura HNTR-PDC relating to Spinal Cord Injury.
- b. 2nd and 3rd Wednesdays, 6-8 p.m., Rehabilitation Hospital of the Pacific, Wo Conference Room #4
- c. The Oahu Primetime Wellness Fair will be held in March, 2016. HNTR will be participating in this event and will be seeking qualified individuals for the registry as well as to provide education and awareness on neurotrauma injuries. Violet Horvath will provide the information on this event when it becomes available.
- d. Lyna Burian provided a brief update on SB924 relating to health coverage for brain injuries. This Bill requires certain insurance contracts and plans to provide coverage beginning 1/1/2016 for treatment of brain injuries, including cognitive and neurocognitive therapy, neurobehavioral and neuropsychological testing or treatment, and necessary post-acute transition services or community reintegration activities for a period of at least twenty years from the date the injury occurred and up to a lifetime cap per person of \$300,000. Per Lyna, the Bill was re-referred to the Senate Ways and Means Committee on 1/21/16. Board Member Stephanie Yee mentioned that she along with another Rehabilitation Hospital of the Pacific staff will be assisting Lyna in fine tuning the Bill for the next legislative session in 2017 if it is not heard in Committee or if it does not pass out of the Ways and Means Committee this session. Stephanie mentioned that insurance companies are saying they do pay for cognitive rehabilitation but is actually paying for cognitive communicative rehabilitation, which is basically speech therapy, but what is needed is for

insurance companies to pay for the cognitive component (skills) itself. Stephanie will assist Lyna in addressing this “loophole” in the Bill.

- e. Per Ross Oshiro, the Conference on Chronic Traumatic Encephalopathy (CTE) will be held on January 28-29, 2016 at the Queen’s Conference Center. Board Members wanting more information on the conference can contact DOH staff at 733-2147.
- f. Cora Speck announced that Queen’s Medical Center is sponsoring a conference on Evidence Based Care of Traumatic Spinal Cord Injury at the Queen’s Conference Center on February 20, 2016. For more information, please contact Cora at 691-7059.

VII. Next Meeting:

Date: March 17, 2016

Location: Kalanimoku VCC and Neighbor Island Sites

Time: 1:30 p.m. to 4:00 p.m.

Meeting Adjourned at 3:20 p.m.



Hawai'i Neurotrauma Registry Project (HNTR) Report
For State Traumatic Brain Injury Advisory Board (STBIAB)
January 21, 2015, 1:30pm—4:00pm

Highlights for September – December 2015

1. Registry Participation

The number of unique participants in the Registry is 128 as of December 31, 2015: Three in September, three in October, one in November, and three in December.

2. Human Subjects Renewal and Modifications

- a. Our current approval was renewed on September 15, 2015, along with proposed modifications.

3. Community Outreach

- a. HNTR attended two public events and gave two presentations in September 2015 (Oahu), five public events and four presentations in October 2015 (Oahu and Hawaii), two public events and two presentations in November 2015 (Oahu, Kauai, and Maui) and one presentation in December 2015 (Oahu).
- b. Since March 2013, HNTR has reached nearly 13,000 members of the public via tables at events, and nearly 1,000 professionals and community members through presentations (duplicated counts).

4. Proposed Future Projects

- a. Three proposed projects (Critical Skills for Transition-Aged Youth with Mild Traumatic Brain Injury, The "TBI" Kid (The Brain Information Kid) storybook and coloring book, and Neurotrauma Video Series) were presented along with budgets to members of the Neurotrauma Advisory Board (NTAB) at the December 2015 meeting.

5. Social Media Campaign

- a. Dr. David Cifu's July 2015 lecture on TBI has aired several times on 'Ōlelo (all on Channel 54). The video is now also available online at our YouTube channel. We plan to have the video captioned so it will reach a wider audience and then submit it for rebroadcast.
- b. The HNTR programs on stroke and traumatic brain injury were rebroadcast on 'Ōlelo two times each in October 2015. They are also available on our YouTube channel.
- c. One television PSA is nearing completion. There will be at least two more and possibly three more television PSAs filmed.
- d. Progress is being made on transforming our existing presentations on traumatic brain injury, stroke, and spinal cord injury into webinars that would be available online at any time.

Hawai'i Neurotrauma Registry Update
Table 1: Dashboard Report through December 31, 2015

Item	Total through October 2015	November 2015	December 2015	Grand Total
Registry Participation				
Number of unique participants in HNTR Registry	124	1	3	128
Public Education				
Public events attended by HNTR staff and volunteers	74	2	0	76
Number of individuals who visited HNTR tables at public events	12664	276	0	12940
Number of HNTR brochures distributed	12210	276	0	12486
Number of HNTR business cards distributed (incl. trivia cards)	3802	0	0	3802
Neurotrauma educational materials distributed (incl. CDC info)	16931	1614	0	18545
Number of volunteers assisting with public events (duplicated count)	108	0	0	108
Networking with Professionals and Community Members				
Presentations about HNTR to professionals / community	38	2	1	41
Number of professionals / community members who attended HNTR presentations	874	87	9	970
Networking contacts made with partners / collaborators	239	2	1	242
Events / presentations in conjunction with partners / collaborators	26	1	0	27
Media				
Print articles	8	0	0	8
Print ads	16	0	0	16
HNTR newsletters (quarterly, effective October 29, 2014)/eCards	3	0	0	3
Distribution (Number of subscribers)	420	4	0	424
Radio PSAs/Interviews	1445	0	0	1445
TV PSAs (post-production status)	0	0	1	1
TV programs, appearances, or ads (duplicated count/broadcast)	14	0	0	14
Social media following (Facebook effective July 16, 2014)	35	0	1	36
Facebook Posts	68	0	0	68
Facebook Friends/Following	33	0	1	34
Twitter Posts (effective October 31, 2014)	21	0	0	21
Twitter Following (effective October 31, 2014)	2	0	0	2
YouTube Hits (effective February 23, 2015)	91	11	7	109

Information and Referral				
Number of information / referral contacts with individuals	328	10	0	338
Number of information / referrals provided to individuals Range: 1 – 5 pieces of information / referrals per contact Average: 3.52 pieces of information / referrals per contact	93	7	0	100
Volunteers/Trainings				
Number of volunteer trainings held	18	1	1	20
Number of persons attending trainings (duplicated count includes HNTR volunteers and others)	93	7	0	100
Number of new volunteers recruited to help with HNTR	14	0	0	14

NT Registry

In Year 1, (March 21, 2013 – March 20, 2014) 41 people joined the Registry. There were 57 new participants in Year 2 (March 21, 2014 – March 20, 2015). To date, there are 30 new people who have taken the survey in Year 3 of the contract (March 21, 2015 – present). There were 3 new persons who joined the Registry in December 2015. The total number of unique registry participants is now 128.

There are 113 (88%) complete surveys and 15 that are incomplete. There are more women (n=74, 58%) than men (n=54, 42%). The vast majority (n=110, 86%) reside on Oahu, but there are now also 12 in the Registry from Hawai'i, 5 from Maui (one new addition from Maui in December 2015), and 1 from Kauai. Most participants (n=105, 82%) list traumatic brain injury (TBI) or some other form of brain injury as their first, second, or third neurotrauma injury. The next most reported injury is, specifically, ischemic stroke (28), followed by spinal cord injury (21 – one new person with SCI in December 2015) and hemorrhagic stroke (17). Five people did not list the nature of their injury. There are 44 people in the Registry who have had two or more neurotrauma injuries (34%).

Twelve heard about it from a table at a public event, six from a newspaper or newsletter, and 23 from presentations. (In terms of presentations, the Pacific Head Injury Support Group, Rehabilitation Hospital of the Pacific, and BIA-HI (Brain Injury Association of Hawaii) were specifically named.) Five heard it on the radio, three from family or friends, three from articles in Generations magazine, one from the Island Scene article, and one from the Hawaii Wellness Directory. One person heard about it from a physician/hospital/clinic, and two were referred by others. One person mentioned television and another found HNTR via Google. Someone in Hilo picked up our brochure at the Hawaii Adult Day Care Center in September 2015. One person from Maui who joined in October 2015 listed the Department of Aging as the source of information.

The data report for CY1 was distributed on November 9, 2015. This information will be incorporated into the CY1 annual report and re-distributed. Data entry for CY2 is in process.

Advisory Board of Stakeholders

HNTR will revisit the composition of the Advisory Board.

Research on Best Practices of National and State Neurotrauma Registries

A draft of an article based on findings is under review. Once completed and approved by DOH, the article will be sent to all states and territories and submitted to a journal for publication.

Community Outreach – September – December 2015

1. September 4, 2015, National Night Out at Kailua Target
2. September 9, 2015, BI Presentation for Portuguese Club, Lanakila Senior Multipurpose Center
3. September 16, 2015, Stroke Presentation for BIA—HI support group meeting
4. September 25—27, 2015, Senior Fair/The Good Life Expo at NBC Exhibition Hall
5. October 3, 2015, Stroke Presentation, BIA—HI 1st Saturdays support group
6. October 8, 2015, Stroke Presentation, Ko‘olau Seniors Hui, Kaneohe
7. October 10—11, 2015, Oh Baby! Family Expo at NBC Exhibition Hall
8. October 12, 2015, Brain Injury Presentation for Japanese Club at Lanakila Multipurpose Senior Center
9. October 14, 2015, Spinal Cord Injury (SCI) Presentation to Portuguese Club, Lanakila Senior Multipurpose Center
10. October 16, 2015, Hawaii island (Kailua-Kona) FHB PrimeTime Wellness Fair
11. October 16, 2015, Fall Prevention Conference, Hawai‘i Convention Center
12. October 24, 2015, SPIN Footsteps to Transition at Kapolei High School
13. October 25, 2015, KIDSfest at Bishop Museum
14. November 2, 2015, Spinal Cord Injury Presentation for Japanese Club at Lanakila Multipurpose Senior Center
15. November 7, 2015, Brain Injury Presentation/Training for BIA—HI support group and HNTR volunteers at Rehab Hospital
16. November 10, 2015, Kaua‘i FHB PrimeTime Wellness Fair
17. November 20, 2015, Maui 14th Annual Caregiver’s Conference by Office of Aging, Makena Beach & Golf Resort
18. December 5, 2015, SCI Presentation/Training for BIA—HI support group and HNTR volunteers at Rehab Hospital

Future Community Outreach

1. January 19, 2016, Stroke Presentation at Moiliili Community Center for seniors

2. *March 2016 (date TBC), FHB PrimeTime Wellness Fair at NBC Exhibition Hall
3. May 3, 2016, Stroke Fair at Rehab Hospital of the Pacific

***Asterisk indicates applications are pending**

Volunteer Program

A Spinal Cord Injury training was scheduled for volunteers on December 5, 2015 for HNTR volunteers; however, no volunteers attended because of their year-end plans and schedules.

Information and Referrals

In September 2015 there were 12 contacts made with 15 items of information or referral. October 2015 saw 6 contacts and 13 items of information or referral were provided. During November 2015 there were 10 contacts and 20 items of information or referral provided. There were no requests in December 2015.

Social Media and Marketing Campaign Highlights

Television

Dr. David Cifu's two-hour lecture on TBI, videotaped for 'Ōlelo on July 12, 2015, at John A. Burns School of Medicine, has been shown multiple times in January 2016. It is available on our YouTube Channel. It will be captioned and submitted for rebroadcast. Captioning will allow the program to reach more individuals since it will then be accessible to those who are deaf and hard-of-hearing.

HNTR's half-hour programs on stroke and traumatic brain injury were also rebroadcast on 'Ōlelo twice each in October 2015. They are also available on our YouTube channel.

Television PSAs

One television PSA on concussions is in post-production and is nearly ready for submission for broadcast on 'Ōlelo. Another PSA will cover all three neurotrauma injuries. There will be at least one if not two more on traumatic brain injury.

Publications

Several months ago, the Project Director drafted an article for *MidWeek* focused on parents and guardians. It does not appear that *MidWeek* will approve the article for publication.

Concussion Report for School Year 2015 - 2016

Report Summary from 8/1/15 to 12/31/15

67 Schools	Total	BIIF	KIF	MIL	ILH
Number of Baselines	5948	1064	225	474	1419
Number of Concussions	654	58	33	59	135

1. 11/10/15, Oahu Soccer League Referees Meeting @ Waipahu HS
2. 1/13/16, Oahu Soccer League Coaches Meeting @ Japaness Chamber of Comm3
3. January 2016, Play Sports Football Coaches

BIIF	Number of Baselines	Number of Concussion		
	8/1/15 to 12/31/15	8/1/15 to 11/30/15	12/1/15-12/31/15	Total to date
School				
Hilo High School	173	11	1	12
Honokaa High School	148	11	1	12
Kamehameha Schools-Hawaii	129	6	0	6
Kau High School	24	4	0	4
Kea'au High School	160	1	0	1
Kealakehe High School	221	5	1	6
Kohala High School	50	1	0	1
Konawaena High School	156	8	1	9
Pahoa High School	1	0	0	0
Waiakea High School	2	7	0	7
Total (10 Schools)	1064	54	4	58

KIF	Number of Baselines	Number of Concussion		
	8/1/15 to 12/31/15	8/1/15 to 11/30/15	12/1/15-12/31/15	Total to date
School				
Kapaa High Shchool	76	9	2	11
Kauai High School	83	6	4	10
Waimea High School	66	9	3	12
Total (3 Schools)	225	24	9	33

MIL	Number of Baselines	Number of Concussion		
	8/1/15 to 12/31/15	8/1/15 to 11/30/15	12/1/15-12/31/15	Total to date
School				
Baldwin High School	125	6	0	6
Hana High School	37	1	0	1
King Kekalike High School	122	11	2	13
Lahainaluna High School	78	12	2	14
Lanai High School		0	0	0
Maui High School	94	18	6	24
Molokai High School	18	0	1	1
Total (7 Schools)	474	48	11	59

ILH	Number of Baselines	Number of Concussion		
	8/1/15 to 12/31/15	8/1/15 to 11/30/15	12/1/15-12/31/15	Total to date
School				
ASSETS School	37	0	1	1
Christian Academy	4	0	0	0
Damien High School	145	16	1	17
Hanalani School	21	2	1	3
Hawaii Baptist Academy	118	3	1	4
Honolulu Waldorf School	24	0	0	0
Iolani High School	262	8	4	12
Island Pacific Academy	28	1	2	3
Kamehameha Schools-Oahu	257	22	4	26
La Pietra Hawaii School	70	1	0	1
Lanakila High School	47	0	0	0
Le Jardin Academy	77	8	1	9
Lutheran High School	6	2	0	2
Mid-Pacific Institute	118	5	5	10
Pacific Buddhist Academy	11	0	1	1
Sacred Heart Academy	71	5	5	10
St. Andrews Priory	10	2	1	3
St. Francis	78	8	3	11
St. Louis School	3	18	1	19
University Lab High	32	2	1	3
Total (21 Schools)	1419	103	32	135

OIA	Number of Baselines	Number of Concussion		
	8/1/15 to 12/31/15	8/1/15 to 11/30/15	12/1/15-12/31/15	Total to date
School				
Aiea High School	70	9	3	12
Anuenue School	35	7	1	8
Campbell High School	115	19	6	25
Castle High School	194	17	0	17
Farrington High School	204	3	2	5
Kahuku High School	151	8	2	10
Kailua High School	113	6	5	11
Kaimuki High School	79	10	3	13
Kaiser High School	116	3	5	8
Kalaheo High School	146	17	4	21
Kalani High School	198	24	4	28
Kapolei High School	118	2	1	3
Leilehua High School	204	42	6	48
McKinley High School	128	16	4	20
Milliani High School	221	24	7	31
Moanalua High School	169	29	7	36
Nanakuli High School	102	4	0	4
Pearl City High School	109	22	0	22
Radford High School	97	9	5	14
Roosevelt High School	83	8	6	14
Waialua High School	88	6	2	8
Waianae High School	1	5	1	6
Waipahu High School	25	5	0	5
Total (23 Schools)	2766	295	74	369

OIA
2766
369

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